## KEY FEATURES

### HIGH LEVEL FEATURES

<table>
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<th>Feature</th>
<th>Description</th>
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<tr>
<td><strong>Chassis Form Factor</strong></td>
<td>- 2U enclosure width sleds (H 3.43” x W 17.6” x L 30”)</td>
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<tr>
<td><strong>Motherboard Form Factor</strong></td>
<td>- Proprietary</td>
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| **Processor**                 | - Marvell ThunderX2® processor CN99XX product family  
- Interconnect: Marvell CCPI2™  
- Configuration: Dual node capable leveraging CCPI2  
- Socketed and soldered version                                                                 |
| **Memory**                    | - Up to 256GB (16 DIMM slots) with 8 channel per node                                                                                       |
| **Storage**                   | - Up to 20 x 2.5” SATA HDD/SSDs front accessible drives and up to 4 x 2.5” NVMe drives  
- Up to 2 x 2.5” SATA HDD/SSDs rear hot-swappable drives                                                                                           |
| **IO configuration**          | - 2 standard x8 PCIe Gen3 FHHL slots,  
- 2 standard x16 PCIe Gen3 FHFL slots,  
- 2 OCP 1.0 x16 PCIe Gen3 mezzanine slots                                                                                                          |
| **Rear IO connectors**        | - Video, 2 x 1/10Gb RJ45 (host), 2 x USB 3.0,  
- 2 x 10/25Gb SFP28 (host), 1 x RJ45 (mgmt), Serial port (RJ45 type)                                                                            |
| **Buttons**                   | - Front Panel with Power button, reset button, ID button (front and rear panel)                                                            |
| **LED**                       | - System status, HDD Status, LAN status LED                                                                                                  |
| **Backplane**                 | - SAS (12G) / SATA (6G) HDD backplane; PCIe expander without chipset for NVMe                                                             |
| **Cooling fans**              | - 4 x easy-swap counter-rotating fan                                                                                                       |
| **Management**                | - Baseband management controller (BMC) provided by American Megatrend MegaRAC® SP-X (ASPEED 2500)  
- IPMI 2.0 compliant  
- Supports both in-band and out-of-band management                                                                                           |
| **Firmware and Boot Code**    | - Aptio® V AMI UEFI                                                                                                                         |
OPERATING SYSTEMS AND SOFTWARE:

- Canonical Ubuntu 16.04 and later
- SUSE Linux Enterprise Server 12 and later
- CentOS 7.4 and later

ORDERING CODE

- Socketed: CN9900-SBR-CDK-1.0-256G-240SSD-Y21-G
- Soldered: CN9900-ZBA-CDK-1.0-256G-240SSD-Y21-G

FACTORY SHIPPING CONFIGURATION

- 2 x CN99xx ThunderX2® with 256GB memory
- 240GB bootable SSD with Ubuntu 18.04
- Aptio® UEFI and MegaRAC® BMC
- Slide rail kits
- User guide

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